What is claimed is:

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- 1. A tuning fork type crystal unit comprising:
- a base; and
- a pair of arms extending from respective ends of said base in a crystallographic Y direction of quartz crystal;

each of said arms comprising a first crystal member and a second crystal member which extend in said crystallographic Y direction, said first crystal member and said second crystal member being joined to each other in a crystallographic YZ plane by a direct bonding such that said first crystal member and said second crystal member have respective crystallographic X directions oriented away from each other and extending parallel to each other.

- 2. The crystal unit according to claim 1, wherein each of said arms has excitation electrodes disposed respectively on a pair of exposed surfaces thereof which lie in said crystallographic YZ plane.
- 3. The crystal unit according to claim 1, wherein said base comprises a third crystal member, said arms and said third crystal member being joined to each other by a direct bonding.
- 4. The crystal unit according to claim 1, wherein said direct bonding comprises a siloxane bond by which said first crystal member and said second crystal member are joined to each other.
  - 5. The crystal unit according to claim 2, wherein said excitation

electrodes are wired to cause said arms to produce tuning fork vibrations.

6. A bar type crystal unit extending in a crystallographic Y direction of quartz crystal, comprising a first crystal member and a second crystal member which extend in said crystallographic Y direction, said first crystal member and said second crystal member being joined to each other in a crystallographic YZ plane by a direct bonding such that said first crystal member and said second crystal member have respective crystallographic X directions oriented away from each other and extending parallel to each other.

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- 7. The crystal unit according to claim 6, further comprising excitation electrodes disposed respectively on a pair of exposed surfaces of said first crystal member and said second crystal member which lie in said crystallographic YZ plane.
- 8. The crystal unit according to claim 6, wherein said direct bonding comprises a siloxane bond by which said first crystal member and said second crystal member are joined to each other.